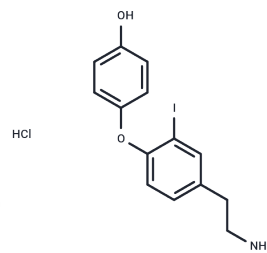


## 3-Iodothyronamine hydrochloride

## Chemical Properties

CAS No. :	788824-64-6
Formula:	C <sub>14</sub> H <sub>15</sub> ClINO <sub>2</sub>
Molecular Weight:	391.63
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	3-Iodothyronamine hydrochloride is a fast-acting, endogenous thyroid hormone derivative that activates TAAR1 in vitro and induces hypothermia in vivo, making it suitable for endocrine and metabolic research.
Targets(IC50)	Endogenous Metabolite, GPCR

## Solubility Information

Solubility	Ethanol: 12 mg/mL (30.64 mM), Sonication is recommended. DMSO: 20 mg/mL (51.07 mM), Sonication is recommended. PBS (pH 7.2): < 1 mg/mL (insoluble), Sonication is recommended. DMF: 25 mg/mL (63.84 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5534 mL	12.7672 mL	25.5343 mL
5 mM	0.5107 mL	2.5534 mL	5.1069 mL
10 mM	0.2553 mL	1.2767 mL	2.5534 mL
50 mM	0.0511 mL	0.2553 mL	0.5107 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hart ME, et al. Trace amine-associated receptor agonists: synthesis and evaluation of thyronamines and related analogues. J Med Chem. 2006;49(3):1101-1112.

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